

We Claim:

1. A polypeptide comprising the amino acid sequence of rGAL-12, wherein the C-terminus of said polypeptide is the amino sequence depicted in SEQ ID NO: 29
2. The polypeptide according to claim 1, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-12.
3. The polypeptide according to claim 1, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-12.
4. The polypeptide according to claim 1, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.
5. The polypeptide according to claim 1, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12, wherein an beta 1, 2 xylose is present on a beta-linked mannose of the core.
6. A polynucleotide encoding the polypeptide according to claim 1.
7. The polypeptide according to claim 1, wherein said polypeptide consists of the amino acid sequence of rGAL-12.
8. The polypeptide according to claim 7, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-12.
9. The polypeptide according to claim 7, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-12.

10. The polypeptide according to claim 7, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

11. The polypeptide according to claim 7 wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12, wherein an beta 1, 2 xylose is present on a beta-linked mannose of the core.

12. A polynucleotide encoding the polypeptide according to claim 7.

13. A polypeptide comprising the amino acid sequence of rGAL-12R, wherein the C-terminus of said polypeptide is the amino sequence depicted in SEQ ID NO: 30.

14. The polypeptide according to claim 13, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-12R.

15. The polypeptide according to claim 13, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-12R.

16. The polypeptide according to claim 13, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12R, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

17. The polypeptide according to claim 13, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12R, wherein an beta 1, 2 xylose is present on a beta-linked mannose of the core.

18. A polynucleotide encoding the polypeptide according to claim 13.

19. The polypeptide according to claim 13, wherein said polypeptide consists of the amino acid sequence of rGAL-12R.

20. The polypeptide according to claim 19, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-12R.

21. The polypeptide according to claim 19, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-12R.

22. The polypeptide according to claim 19, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12R, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

23. The polypeptide according to claim 19, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-12R, wherein an beta 1, 2 xylose is present on a beta-linked mannose of the core.

24. A polynucleotide encoding the polypeptide according to claim 9.

25. The polypeptide according to claim 19, wherein said polypeptide comprises the amino acid sequence of rGAL-25, wherein the C-terminus of said polypeptide is the amino sequence depicted in SEQ ID NO: 31.

26. The polypeptide according to claim 25, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-25.

27. The polypeptide according to claim 25, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-25.

28. The polypeptide according to claim 25, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

29. The polypeptide according to claim 25, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25, wherein an alpha 1, 2 xylose is present on a beta-linked mannose of the core.

30. A polynucleotide encoding the polypeptide according to claim 25.

31. The polypeptide according to claim 25, wherein said polypeptide consists of the amino acid sequence of rGAL-25.

32. The polypeptide according to claim 31, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-25.

33. The polypeptide according to claim 31, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-25.

34. The polypeptide according to claim 31, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

35. The polypeptide according to claim 31, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25, wherein an alpha 1, 2 xylose is present on a beta-linked mannose of the core.

36. A polynucleotide encoding the polypeptide according to claim 31.

37. The polypeptide according to claim 19, wherein said polypeptide comprises the amino acid sequence of rGAL-25R, wherein the C-terminus of said polypeptide is the amino sequence depicted in SEQ ID NO: 32.

38. The polypeptide according to claim 37, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-25R.

39. The polypeptide according to claim 37, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-25R.

40. The polypeptide according to claim 37, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25R, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

41. The polypeptide according to claim 37, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25R, wherein an beta 1, 2 xylose is present on a beta-linked mannose of the core.

42. A polynucleotide encoding the polypeptide according to claim 37.

43. The polypeptide according to claim 37, wherein said polypeptide consists of the amino acid sequence of rGAL-25R.

44. The polypeptide according to claim 43, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, 184, and 337 relative to rGAL-25R.

45. The polypeptide according to claim 43, wherein said polypeptide is glycosylated at least at one amino acid position selected from the group consisting of amino acid positions 108, 161, and 184 relative to rGAL-25R.

46. The polypeptide according to claim 43, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25R, wherein an alpha 1, 3 fucose is present on the proximal GlcNac.

47. The polypeptide according to claim 43, wherein said polypeptide has a plant glycosylation pattern at amino acid positions 108, 161, and 184 relative to rGAL-25R, wherein an beta 1, 2 xylose is present on a beta-linked mannose of the core.

48. A polynucleotide encoding the polypeptide according to claim 43.